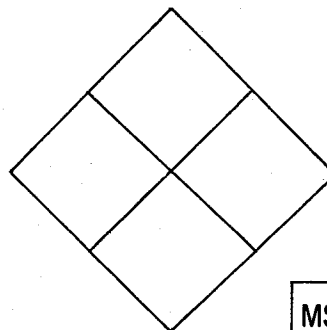


MATERIAL SAFETY DATA SHEET

Jet MU 392 Amjet Makeup Ink

| | |
|--------------------------|--|
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |



MSDS:

DATE: 7/27/83

I. PRODUCT IDENTIFICATION

COMMON NAME: Jet MU 392 Amjet Makeup Ink

CHEMICAL FORMULA: Mixture

SYNONYMS: C-G10 Makeup Ink

TRADE NAMES: Jet MU 392 Amjet Makeup Ink

MANUFACTURER: American Technologies

SHIPPING NAME: DOT Flammable Liquid N.O.S. UN 1993 IATA

II. HAZARDOUS INGREDIENTS

| MATERIAL OR COMPONENT | % | TLV | (REMARKS) |
|-----------------------|-------|---------|-----------|
| Methanol | Major | 200 ppm | Flammable |
| Isopropyl Alcohol | Minor | 400 ppm | Flammable |
| MEK (2-Butanone) | Major | 200 ppm | Flammable |
| | | | |
| | | | |
| | | | |

III. PHYSICAL DATA

| | | | |
|-----------------------------------------|--------------------------------|---------------------|--------------|
| BOILING POINT, 760mm Hg | NA | MELTING POINT | NA |
| SPECIFIC GRAVITY (H ₂ O = 1) | 0.812 | BULK DENSITY | NA |
| pH (1% Soln.) | Neutral | SOLUBILITY IN WATER | 100% soluble |
| % VOLATILES BY WEIGHT | 100% | | |
| APPEARANCE & ODOR | Ketone odor. Colorless liquid. | | |

| IV. FIRE AND EXPLOSION DATA | | | |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------|-----------------------------|
| FLASH POINT (Test Method) | 31°F. Closed Cup | | AUTOIGNITION TEMPERATURE |
| FLAMMABLE LIMITS IN AIR, % BY VOLUME | | LOWER: 6 | UPPER: 37 |
| EXTINGUISHING MEDIA | Water fog, foam, dry chemical | | |
| SPECIAL FIRE FIGHTING PROCEDURES | Do not breathe fumes and avoid eye and skin contact. | | |
| UNUSUAL FIRE AND EXPLOSION HAZARD | 2-Butanone and the alcohols can react vigorously with oxidizing materials. | | |
| V. HEALTH HAZARD INFORMATION | | | |
| (REMARKS) | | | |
| PRIMARY ROUTES OF EXPOSURE: | | (x) SKIN CONTACT | () EYE CONTACT |
| (x) INHALATION | | (x) SKIN ABSORPTION | () INGESTION |
| EFFECTS OF OVEREXPOSURE: | | | |
| ACUTE EFFECTS: | | | |
| Oral Ingestion: Poisonous. Contains methanol which may cause death or permanent injury (e.g. blindness) upon overexposure. | | | |
| Skin Absorption: Moderate. Drying effect with continuous exposure; possible dermatitis. | | | |
| Inhalation: Headaches, dizziness and intoxication, gastro-intestinal disturbances, blindness, death (high concentrations). | | | |
| CHRONIC EFFECTS: | | | |
| Overexposure may result in the aggravation of existing conditions of the following: | | | |
| () Liver | | (x) Skin | (x) Respiratory System |
| () Kidneys | | (x) Eyes | (x) Central Nervous System |
| VI. EMERGENCY AND FIRST AID PROCEDURES | | | |
| EYES: | | | |
| Flush with water; call doctor. | | | |
| SKIN: | | | |
| Flush with water. | | | |
| INHALATION: | | | |
| Remove from area of fumes. | | | |
| INGESTION: | | | |
| Induce vomiting; treat for methanol poisoning. | | | |
| NOTES TO PHYSICIAN: | | | |

VII. REACTIVITY DATA**CONDITIONS CONTRIBUTING TO INSTABILITY:**

Solvents will react vigorously with strong oxidizing or reducing agents.

INCOMPATIBILITY:

NA

HAZARDOUS DECOMPOSITION PRODUCTS:

None known

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:

Will not occur.

VIII. SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Dilute with water. Impact confined to immediate area of spill. May injure aquatic life if discharged to open waters. Confine area of spill. Cover with sand or other inert material. Transfer to suitable container for disposal.

**NEUTRALIZING
CHEMICALS:**

None

WASTE DISPOSAL METHODS:

Incineration

NOTE: Disposal of all waste materials must be accomplished in accordance with applicable local, state and federal regulations.

IX. SPECIAL PROTECTION INFORMATION**VENTILATION REQUIREMENTS:**

Local exhaust should maintain concentration of ink vapors in the air below 200 ppm.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:**RESPIRATORY:**

Use NIOSH approved respirator for solvent vapors if ventilation is not adequate.

NOTE: This information is provided only as a general guideline to be utilized in conjunction with a full respiratory protection program.

EYE:

Safety glasses with side shields.

GLOVES:

Nitrile latex gloves.

OTHER:

X. SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:

DANGER: Flammable. Keep away from heat, sparks, and open flame. Keep container closed. Use with adequate ventilation. In case of fire use water, dry chemical, CO₂ or foam.

OTHER HANDLING AND STORAGE REQUIREMENTS

Store in well ventilated and cool place. Explosion hazard handling necessary.

XI. ADDITIONAL REGULATORY CONCERNS

FEDERAL:

FDA

USDA

CPSC

TSCA

OTHER

Requires DOT flammable label.

STATE: